

1/9/2019

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due
PO041959	SAB003-VU	1	1	COD	MUHMWB10	UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS- TOLERANCE: +0.020"/NO MINUS PLATE PLANED 2 SIDES receive sf				800	1/11/2019	800		S143330	Stock	1/9/2019	\$ 21.75 / sf	0	
Total:										800		800							

Plex 1/9/2019 2:35 PM Dart.Dmval.Patrick



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041959

Supplier: SAB003-VU
Polymershapes LLC
P.O. Box 15500 Station A
Toronto
ON
M5W 1C1 Canada
Phone: 613-745-7043
Fax: 613-745-4291

PO No: PO041959

PO Date: 12/5/18

Due Date: 1/25/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
DEC 06 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: COD

Freight Terms:

Special Comments: 20 SHEET TO BE SHIP RIGHT AWAY AND
THE BALANCE OF 20 TO BE TAKEN NO
LATER THEN 3 MONTHS

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1 ✓ AT		MUHMWB10		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS- TOLERANCE: +0.020"/NO MINUS PLATE PLANED 2 SIDES receive sf	Firmed	-	1/25/19	800 sf ✓ 800sf	0 sf	800 sf AT 19/01/09	\$21.75/sf	\$17,400.00
Line Item Note 800 SF = 20 SHEET TO SHIP IN 4- 6 WEEK												
2		MUHMWB10		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS- TOLERANCE: +0.020"/NO MINUS PLATE PLANED 2 SIDES receive sf	Firmed	-	3/6/19	400 sf	0 sf	400 sf	\$21.75/sf	\$8,700.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041959

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
3		MUHMWB10		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS- TOLERANCE: +0.020"/NO MINUS PLATE PLANED 2 SIDES receive sf	Firmed	-	4/10/19	400 sf	0 sf	400 sf	\$21.75/sf	\$8,700.00

Grand Total: \$34,800.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/5/18 1:02 PM dart.lavoie.chantal



Expéditeur à:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A 1K7
CANADA
téléphone - 1 (613) 6325200

Facturer à:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A 1K7
Canada

BORDEREAU D'EXPÉDITION

DATE:

08-JAN-2019

COMMANDE:

93039362

MODALITÉS DE PAIEMENT:

CA NET 30
F.A.B.

BON DE COMMANDE:

ENTREPÔT POLYMERSHAPES - MONTREAL QC
Dorval, QC, H9P 2W3, CA.,

BON DE COMMANDE:

PO041959

MODALITÉS DE TRANSPORT:

Collect Freight REPRESENTANT:
MONTREAL HOUSE

TÉL. DE LA PERSONNE-RESSOURCE:
00140055000120

DATE DE LA
COMMANDE:
06-DEC-18

NOM POUR LIVRAISON:
50841119

N° DE CONNAISSEMENT JOURNEY		TRANSPORTEUR DE MARCHANDISES: CUSTOMER CHOICE - REVIEW NOTES		COMMENTAIRE SUR FRAIS DE TRANSPORT:			
CATÉGORIE	NUMÉRO DE PIÈCE / DESCRIPTION DE L'ARTICLE	DATE D'EXPÉDITION	QTE COMMANDEE	QTE EXPÉDIEE	QTE NON EXPÉDIEE	UDM	

1	52773104 UHMW SH 1.000 48X120 BK PLND/PLND I TIVAR 1000 INSTRUCTIONS SPÉCIALES: PLANED 2 SIDES +/-020, C OF C REQUIRED Numéros de LOT: (20 Qté)			20	0	SH	
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REÇU EN BON ÉTAT

Signé:

Date:

À moins qu'il en soit convenu autrement dans un document signé par les deux parties, toute vente par Polymershapes est effectuée exclusivement aux termes des conditions de vente standard de Polymershapes, qui peuvent être obtenues sur demande et en ligne à l'adresse www.polymershapes.com. BIEN QUE LES RENSEIGNEMENTS, LES RECOMMANDATIONS OU LES CONSEILS FIGURANT AUX PRÉSENTES SOIENT DONNÉS DE BONNE FOI, POLYMERSHAPES NE DONNE AUCUNE GARANTIE, EXPRESSE OU IMPLICITE, QUANT AUX RÉSULTATS, À L'EFFICACITÉ OU À LA SÉCURITÉ DE TOUTE CONCEPTION CONTENANT DES PRODUITS, MATÉRIAUX, SERVICES, RECOMMANDATIONS OU CONSEILS DE POLYMERSHAPES. SAUF TEL QU'IL EST INDIQUÉ DANS LES CONDITIONS DE VENTE STANDARD DE POLYMERSHAPES, POLYMERSHAPES ET SES REPRÉSENTANTS NE SONT EN AUCUN CAS RESPONSABLES DE TOUTE PERTE DÉCOULANT DE L'UTILISATION DE SES MATÉRIAUX, PRODUITS OU SERVICES DÉCRITS AUX PRÉSENTES

Chaque utilisateur assume l'entière responsabilité de ses décisions quant au caractère convenable des produits, des matériaux, des services, des recommandations ou des conseils pour sa propre utilisation. Chaque utilisateur doit identifier et effectuer tous les tests et analyses nécessaires pour s'assurer que ses pièces finies contenant des produits, matériaux ou services achetés de Polymershapes seront sûres et pourront être utilisées dans des conditions d'utilisation finales. Aucune disposition du présent document ou de tout autre document, ni aucune recommandation ou aucun conseil verbal, ne sera réputé modifier, faire varier, remplacer ou annuler toute disposition des conditions de vente de Polymershapes ou de la présente exclusion de responsabilité, à moins que cette modification ne soit précisément acceptée dans un écrit signé par Polymershapes. Aucun énoncé figurant aux présentes relativement à l'utilisation éventuelle ou suggérée de tout matériau, produit, service ou conception n'a pour but d'accorder, ni ne doit être interprété comme accordant, une licence sur les droits de brevet ou d'autres droits de propriété intellectuelle de Polymershapes ou de l'une de ses filiales ou d'un membre de son groupe couvrant cette utilisation ou cette conception, et ne doit pas être interprété comme une recommandation relative à l'utilisation de ce matériau, produit, service ou concept en violation d'un droit de brevet ou d'un autre droit de propriété intellectuelle.

Rapport de fin de

Certificate of Conformance

1665 55th Avenue
Dorval, Quebec,
H9P 2W3

Date: January 8, 2019

Attn: RECEIVING DEPARTMENT

To: DART AEROSPACE LTD.

Address: 1270 ABERDEEN STREET
HAWKESBURY, ON.

Customer P.O. Number: PO041959

Sales Order No: 93039362

Manufacturer's Reference: 0002420487

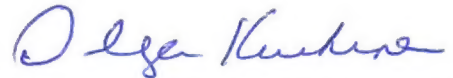
Our Reference: MTL-107934

It is hereby certified that, to the best of Polymershapes Distribution Canada knowledge, the product information provided below conforms to the corresponding information in the possession of Polymershapes Distribution Canada with respect to such products. This certification and the sale of products are, unless otherwise agreed to in writing, subject to Polymershapes Distribution Canada standard conditions of sale. This document shall not be reproduced, except in full, without prior written approval.

Quantity	Description	Lot Number/Spec.
20 SHTS	UHMW SH 1.000 48X120 BK PLND/PLND TIVAR 1000 PLANED 2 SIDES +/- .020	00092426498 ASTM D4020

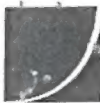
Polymershapes Canada Distribution Inc.

By:



Title:

Quality Coordinator



QUADRANT
ENGINEERING PLASTIC PRODUCTS

Quadrant EPP USA, Inc.
2120 Fairmont Avenue, P.O. Box 14235
Reading, PA 19612-4235
Phone 610-320-6600

Ship to:

Polymershapes - Dorval
1665 - 55th Avenue

Dorval, QUE H9P 2W3
Canada

Consignee: 0002000430

Sold to:

Polymershapes - Dorval
1665, 55 Avenue

Dorval, QUE H9P 2W3
Canada

Delivery address: 1A
Delivery No: 10277256

Declaration of compliance with the order according EN 10204 - 2.1

TIVAR 1000 PLATE BLACK

1 x 48 x 120 IN

PLANED 2 SIDES, +/- .020

Item No: 03010110318

Lot: 0092426498

Ship date: 12/28/18

Original Production Lot: 0010050146

Date of MFG: 12/26/18

Qty: 25.00 PC

Supplied against purchase order number: MTL-107934

Quadrant Order No: 0002420487

Product is known as ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE with a pigment additive.

Base resin meets ASTM D4020 with a molecular weight of 3.0 to 6.2 million G/Mol.

For specific details related to regulatory compliance, see Quadrants Regulatory Letter for this material, which is available upon request.

We hereby certify that the goods described above comply with the terms of the order contract and conform to our Product Specifications. The Quality Management System of the Quadrant EPP plants in Reading, PA, Scranton, PA, Wytheville, VA, Delmont, PA and Ft. Wayne, IN are certified according to ISO 9001. The ISO Certificate is available upon request.

CERTIFIED BY: Eric Weir

FUNCTION: Product Specification & Certification Engineer

E-MAIL: eric.weir@qplas.com

DATE: 12/28/18

DIGITAL SIGNATURE

PURCHASE MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL
MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS
THICKNESS - TOLERANCE: +0.030" NO MINUS

PART NUMBER: MUHMW C | TTT | WHERE TTT = THICKNESS IN 1/100 INCHES
C = COLOUR (B = BLACK)
(W = WHITE)

EG. 1.000" UHMW BLACK TIVAR 1000 = MUHMWB100
1.250" UHMW BLACK TIVAR 1000 = MUHMWB125

MINIMUM MATERIAL PROPERTY VALUES
*REFERENCE DART REPORT DR-1041

YIELD TENSILE 2900 PSI
ULTIMATE TENSILE 4600 PSI
YIELD SHEAR 2200 PSI
ULTIMATE SHEAR 3500 PSI
YIELD BEARING 2800 PSI
ULTIMATE BEARING 4200 PSI
FLEXURAL MODULUS 105000 PSI

RELEASED
R 12/10/16 qd
ECN 12-672

C	INCREASED ACCURACY OF PART NUMBER THICKNESS, "TTT" WAS "TT"		AP	12.09.27
B	REFORMAT ADDED MATERIAL REQUIREMENTS FROM D2689 MANUFACTURER UPDATED (SEE PAR 11-105)		AJS	11.06.09
A	NEW ISSUE		RF	05.03.31
REV.	DESCRIPTION		BY	DATE
DRAWN	RF	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	qd	DRAWING NO.	REV. C	
MFG. APPR.	N/A	MUHMW	SHEET 1 OF 1	
APPROVED	12	TITLE	SCALE	
DE APPR.		UHMW SHEET	NONE	
DATE	12.09.27		COPYRIGHT © 2003 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION SYSTEMS WITHOUT PERMISSION FROM DART AEROSPACE LTD.	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MUHMWB10
 DATE: 19/01/09

PO / BATCH NO.: P0041959/5143330

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 800sf
 QUANTITY INSPECTED: 800sf
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000"
 THICKNESS RECEIVED: 1.000"
 SHEET SIZE ORDERED: 4'x10'
 SHEET SIZE RECEIVED: 4'x10'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>N</u>	
CORRECT FINISH	<u>Y</u>	N	
CORROSION	Y	<u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u>	N	<u>MUHMW Black Tiger 1000</u>
CORRECT THICKNESS	<u>Y</u>	N	
PHOTO REQUIRED	Y	<u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u>	N	<u>P0041959</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u>	N	
CORRECT M# ON THE MATERIAL	<u>Y</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AK</u>	SIGNED OFF BY: _____
DATE: <u>19/01/09</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in